



# SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 20 84 44 79

**Classification of the application (IPC):**  
H02J 7/00, H02M 3/02, H02M 1/00, H02H 7/18, H02H 11/00, H02H 3/18

**Technical fields searched (IPC):**  
H02M, H02H

| DOCUMENTS CONSIDERED TO BE RELEVANT |                                                                                                                                                              |                   |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Category                            | Citation of document with indication, where appropriate, of relevant passages                                                                                | Relevant to claim |
| X                                   | US 2006250737 A1 (SASITORNWANNAKUL ALONGKORN [TH] ET AL)<br>09 November 2006 (2006-11-09)<br>* figure 2 *<br>* paragraph [0014] *<br>* paragraph [0015] *    | 1-15              |
| A                                   | US 2014266011 A1 (MEHTA NARENDRA SINGH [US] ET AL)<br>18 September 2014 (2014-09-18)<br>* paragraph [0054] *<br>* paragraph [0053] *<br>* paragraph [0043] * | 1                 |
| A                                   | US 6297617 B1 (AOYAMA TAKASHI [JP]) 02 October 2001 (2001-10-02)<br>* figure 5 *                                                                             | 1                 |
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The supplementary search report has been based on the last set of claims valid and available at the start of the search.

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| Place of search<br>Munich | Date of completion of the search<br>14 November 2022 | Examiner<br>Castagné, Olivier |
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## CATEGORY OF CITED DOCUMENTS

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|---------------------------------------------------------------------------------|------------------------------------------------------------------------|
| X: particularly relevant if taken alone                                         | P: intermediate document                                               |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention                        |
| A: technological background                                                     | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure                                                       | D: document cited in the application                                   |
| & : member of the same patent family, corresponding document                    | L: document cited for other reasons                                    |

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# ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 20 84 44 79

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 14-11-2022  
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